

FIG. 1

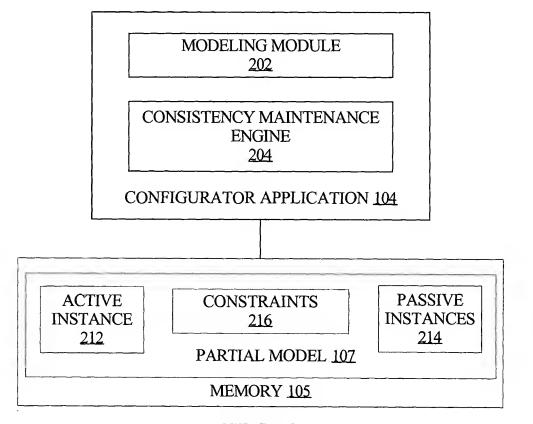
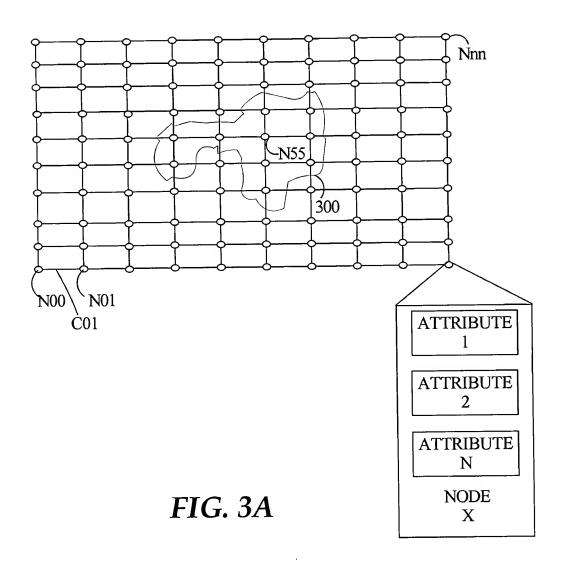


FIG. 2



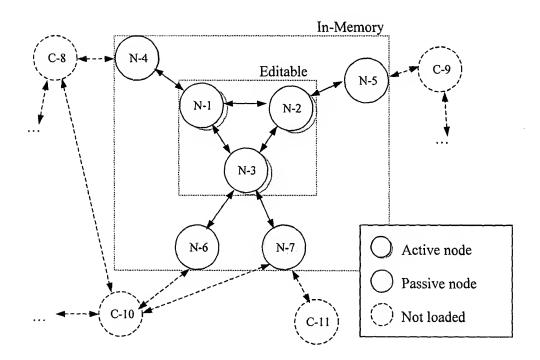


FIG. 3B

RECEIVE AN INTENT TO MODIFY A CONFIGURATION, THE INTENT TO MODIFY SPECIFYING A FIRST NODE OF A SET OF NODES INCLUDED IN THE CONFIGURATION 402 DETERMINE A FIRST SUBSET OF A SET OF CONNECTION CONSTRAINTS INCLUDED IN THE CONFIGURATION, THE FIRST SUB-SET INCLUDING ALL CONNECTION CONSTRAINTS THAT RESTRICT THE INTENT TO MODIFY 404 DETERMINE A FIRST SUBSET OF NODE VARIABLES ASSOCIATED WITH NODES OF THE SET OF NODES, THE FIRST SUB-SET INCLUDING ALL NODE VARIABLES THAT MAY HAVE ASSOCIATED VALUES THAT AFFECT WHETHER ANY CONSTRAINT OF THE FIRST SUB-SET OF CONSTRAINTS IS **VIOLATED** 406 LOAD INTO VOLATILE MEMORY NODE VARIABLE INFORMATION THAT INCLUDES ONLY NODE VARIABLE INFORMATION ABOUT THE FIRST SUBSET OF NODE VARIABLES 408 GO TO 410 OF FIG. 4B

FIG. 4A



DETERMINE A SECOND SUBSET OF THE SET OF CONSTRAINTS INCLUDED IN THE CONFIGURATION, THE SECOND SUB-SET INCLUDING ALL CONSTRAINTS THAT RESTRICT THE VALUE OF A SECOND NODE OF THE SET OF NODES WHICH IS AFFECTED BY A MODIFICATION TO THE FIRST NODE

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DETERMINE A SECOND SUB-SET OF NODE VARIABLES, THE SECOND SUBSET INCLUDING ALL NODE VARIABLES THAT MAY HAVE ASSOCIATED VALUES THAT AFFECT WHETHER ANY CONSTRAINT OF THE SECOND SUB-SET OF CONSTRAINTS IS VIOLATED

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LOAD INTO VOLATILE MEMORY, IF NOT ALREADY LOADED, NODE INFORMATION THAT INCLUDES ONLY NODE INFORMATION ABOUT THE NODES IN THE SECOND SUBSET 414

FIG. 4B

